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Research Activities

Soybean Genetics Newsletter

VIII. RESEARCH ACTIVITIES

Name and Address	Research Interest
J. W. Turner P.O. Box 23 Kingaroy, Q. 4610 AUSTRALIA	Plant-insect interrelationships.
J. M. Vincent UNSW P.O. Box 1 Kensington, N.S.W. AUSTRALIA 2033	Inheritance of nodulating capacity; editor of Rhizobium Newsletter.
Gaspar Beskow Departamento de Melhoramento de Soja CEP - FECOTRIGO Cx. Postal 10 98.100 - Cruz Alta, RS-BRAZIL	Soybean breeding for increased yield, height, lodging resistance, and response to Al and Mn toxicity; competition among cultivars; variety testing with maturity groups from VI to VIII.
Ake Boklin Caixa Postal 673 13100-Campinas, S.P. BRAZIL	Plant breeding; seeking day-neutral soybean; working with Group VIII soybeans.
Luiz Pedro Bonetti Departamento de Melhoramento de Soja CEP - FECOTRIGO Caixa Postal 10 98.100 - Cruz Alta, RS-BRAZIL	Breeding soybeans for southern Brazil with emphasis on maturity groups adapted to the latitudes between 28° - 32° S; disease resistance; good agronomic types; and transferring high protein and oil content into adapted varieties by multiple crosses.
H. L. Gabe CMNDP — Maringá Office R. São Bento, 329-8° andar Caixa Postal 2771 São Paulo, BRAZIL	In charge of soybean program for International Plant Breeders in Brazil.
T. Ashley Dept. of Biology University of Calgary Calgary, Alberta, CANADA	Soybean genetics, chromosome association and crossing over.
D. A. Littlejohns Farm Crops Section College of Agr. Technology Ridgetown Ontario NOP 2CO CANADA	Variety evaluation and production studies in soybeans

Waldo A. Cerón-Díaz Facultad de Agronomía Casilla 114-D Santiago de CHILE	Teaching field crops production and production of industrial crops, research on soybeans and safflower.
Cecil Vera Roldán Ingeniero Agrónomo Casilla 426, Chillán, CHILE	Soybean development at Quilamapu Experimental Station, Chillán, Chile.
W. Plarre Freie Universitat Berlin Albrecht-Thaer-Weg 6 FB23, WE6, 1000 Berlin 33 GERMANY	Soybean breeding.
Bálint Andor Agrártudományi Egyetem Novenynemesitestani tanszek 2103 Gödöllö Budapest, HUNGARY	Using mostly American soybean varieties, developing mutants with better adaptability to conditions in Hungary.
Nabinananda Ghosh Dept. of Crop Science Hokkaido University Kita 9 Jo, Nishi 9 Chome Kita Ku, Sapporo, JAPAN 060	Quantitative genetics of soybeans.
Koji Hashimoto Hokkaido Nat. Agr. Exp. Sta. Hitsujigaoka, Toyohira-ku Sapporo, 061-01 JAPAN	Low temperature injury and nitrogen nutrition of soybeans.
K. Hayashi Division of Genetics Nat'l. Inst. of Agr. Sciences Hiratsuka, Kanagawa, JAPAN 254	Genetic variation in soybean germplasm resources.
Norihiko Kaizuma Plant Breeding Lab. Faculty of Agriculture Iwate University Ueda, Morioka, Iwate-ken JAPAN 020	Soybean protein breeding, especially sulfur-containing amino acids.
Shigeo Matsumoto Kariwano Laboratory Tohoku Nat'l. Agr. Exp. Sta. Nishisenboku, Akita 019-21 JAPAN	Breeding for nematode and virus resistance in soybeans.

Masataka Saito Hokkaido Central Agr. Exp. Sta. Naganuma, Yubari-gun Hokkaido, JAPAN	Breeding of soybeans for: high and stabilized seed yield, high quality seed, low temperature tolerance, cyst nematode resistance, soybean dwarf virus resistance.
Kiyoshi Sunada Tokachi Agr. Exp. Sta. Memuro-cho, Kasai-gun Hokkaido, JAPAN	Breeding for high yield and wide adaptation, cold weather tolerance, resistant to cyst nematode, and chemical composition in seed.
T. Yamamoto Hokkaido Nat'l. Agr. Exp. Sta. Sapporo, JAPAN 061-01	Physiological research for cool weather injury of soybeans.
William M. Brown, Jr. Inst. of Plant Environment Suweon, 170, KOREA	Soybean pathology; soybean disease survey.
Hong Suk Lee Department of Agronomy College of Agriculture Seoul National University Suweon, KOREA	Breeding for physiological attributes in soybean.
Javier Icaza G. Cubra Development León, NICARAGUA Central America	Soybean experimentation, crops management including irrigation and pest control.
D. Nangju IITA PMB 5320 Ibadan, NIGERIA	Cultural practices and crop management in soybeans.
J. N. Singh Department of Agronomy G.B. Pant Univ. of Agr. & Tech. Pantnagar, Nainital, INDIA	Soybean seed technology and soybean physiology.
E. H. Paschal II INTSOY (Univ. of Illinois) Department of Agronomy University of Puerto Rico Mayagüez, PUERTO RICO 00708	Breeding of soybean varieties which are adapted to tropical and subtropical environments.
J. R. Tattersfield Principal Plant Breeder Salisbury Research Station P.O. Box 8100, Causeway Salisbury, RHODESIA	Soybean breeding.

S. Shanmugasundaram Asian Vegetable Research & Development Center P.O. Box 42, Shanhua Tainan (741), TAIWAN	Breeding for high yield potential, photoperiod insensitivity, and multiple disease resistance. Special emphasis on soybean rust resistance.
Kuo-Hai Tsai Food Crop Research Institute National Chung-Hsing Univ. Taichung, TAIWAN	Breeding for ecological attributes in soybean.
Charles Y. Yang Asian Vegetable Research and Development Center P.O. Box 42, Shanhua Tainan, 741, TAIWAN	Breeding for resistance to Phakopsora pachyrhizi rust.
Sumin Smutkupt Radiation and Isotopes Section Kasetsart University Bangkok, THAILAND	Soybean varietal improvement; soybean mutation breeding.
Edgardo Monteverde P. Departamento de Genética Facultad de Agronomia Maracay, VENEZUELA	Breeding for tropical adaptation.
W. L. Chang Leader, Chinese Rice Mission P.O. Box 143, HOFUF SAUDI ARABIA	Studying possibility of raising soybeans in saline soil of Al-Hassa Oasis.
Nguyen H. Quyen, Head Department of Agronomy Faculty of Agriculture National University of Cantho Cantho, S. VIETNAM	Breeding for yield; for insect and disease resistance, and drought tolerance in soybeans.
David D. Rubis Dept. of Agron. & Plant Genetics University of Arizona Tucson, AZ 85721	Breeding for shattering resistance and heat tolerance in soybeans.
H. W. Crittendon University of Delaware Newark, DE 19711	Studying the pathology of soybeans.
N. C. Schenck Plant Pathology Department University of Florida Gainesville, FL 32611	Soil-borne plant pathogens and endomycorrhizal fungi on soybean roots.

Jack Paxton Dept. of Plant Pathology University of Illinois Urbana, IL 61801	Physiology and biochemistry of soybean disease resistance and nodulation.
Louis Bellatti Bellatti Soybeans Mt. Pulaski, IL 62548	Breeding in natural crossing, mutation, population control.
Donald Lindahl Pioneer Hi-Bred Intnat'l., Inc. Peterson Soybean Seed Division Drawer F St. Joseph, IL 61873	Development of proprietary varieties with major emphasis on group II through IV. Breeding has been started in the group V through VIII. Breeding for improved yield, seed quality, vigor, and resistance to phytophthora root rot, bacterial pustule, and downy mildew.
J. E. Harper USDA-ARS University of Illinois Urbana, IL 61801	Mineral nutrition and nitrogen metabolism of soybeans.
T. Hymowitz Department of Agronomy University of Illinois Urbana, IL 61801	Soybean genetics, and biochemistry of seed proteins; ethnobotany of soybeans and related legume crops.
Oval Myers, Jr. Dept. of Plant and Soil Science S.I.U. at Carbondale Carbondale, IL 62901	Soybean genetics and improvement, in relation to work in Brazil.
L. M. Wax Agronomy Department 230 Davenport Hall University of Illinois Urbana, IL 61801	Developing improved methods of weed control in soybeans.
J. M. Widholm Department of Agronomy University of Illinois Urbana, IL 61801	Mutation induction and photorespiration screening in soybeans.
H. R. Koller Department of Agronomy Purdue University West Lafayette, IN 47907	Physiological determinants of soybean seed yield.
F. A. Laviolette Dept. of Botany and Plant Path. Purdue University West Lafayette, IN 47907	Host relationships, disease control and seed quality.

G. Robert Taylor Soybean Breeder FFR Cooperative 4112 East State Road 225 West Lafayette, IN 47906	Varietal development for member cooperatives. Breeding for yield, adaptation and disease resistance.
William H. Eby Midwest Oilseeds, Inc. Adel, IA 50003	Breeding for yield improvement and disease resistance.
J. M. Dunleavy Dept. of Botany and Plant Path. Iowa State University Ames, IA 50010	Soybean host-parasite interactions.
D. Green Department of Agronomy Iowa State University Ames, IA 50010	Breeding for physiological attributes in soybeans.
Reid G. Palmer USDA-ARS Agronomy Department Iowa State University Ames, IA 50010	Cytogenetics, physiological genetics, qualitative genetics, chromosome mapping, interspecific hybridization.
Larry P. Pedigo Department of Entomology Iowa State University Ames, IA 50010	Pest management of soybean insects; evaluation of commercial varieties for green cloverworm resistance.
T. E. Devine Room 236, Bldg. 007, BARC-W USDA-ARS Beltsville, MD 20705	Genetics of soybean x <u>Rhizobium</u> interaction in nitrogen fixation.
J. M. Joshi Dept. of Soybean Research Univ. of Maryland, Eastern Shore Princess Anne, MD 21853	Screening and breeding soybean varieties for insect resistance.
Robert C. Leffel Room 236, Bldg. 007, BARC-W USDA-ARS Beltsville, MD 20705	Breeding, genetics, and culture of soybeans.
Lowell D. Owens Room 236, Bldg. 007, BARC-W USDA-ARS Beltsville, MD 20705	Tissue culture of soybean for genetic improvement.

Charles Sloger Room 236, Bldg. 007, BARC-W USDA-ARS Beltsville, MD 20705	Physiology of soybean-*Rhizobium* symbiotic N_2 fixation.
Deane F. Weber Room 236, Bldg. 007, BARC-W USDA-ARS Beltsville, MD 20705	*Rhizobium* research. Nodulation ecology of *Rhizobium japonicum*.
K. R. Bromfield USDA-ARS Plant Disease Research Lab. P.O. Box 1209 Frederick, MD 21701	Soybean rust. Soybean pathogens nonendemic to USA. Evaluation of pathogens for damage potential and study of their epidemic behavior.
Joseph G. Wutoh Vice Chancellor for Academic Affairs Univ. of Maryland, Eastern Shore Princess Anne, MD 21853	Breeding for insect resistance in soybean; breeding for physiological (photoperiodic) responses in soybean.
Alfred W. Saettler Research Plant Pathologist Bean Diseases Investigations Michigan State University East Lansing, MI 48824	Primary research is in area of bean (*Phaseolus vulgaris* L.) diseases.
Willard A. Dickerson USDA-ARS, P.O. Box A Biological Control of Insects Columbia, MO 65201	Host plant resistance.
J. C. Graham Agricultural Research Monsanto Company 800 N. Lindbergh Blvd. St. Louis, MO 63166	Yield enhancement in soybeans via physiological modifications.
G. L. Eilrich Agricultural Research Monsanto Company 800 N. Lindbergh Blvd. St. Louis, MO 63166	Yield enhancement in soybeans via physiological modifications.
C. A. Porter Agricultural Research Monsanto Company 800 N. Lindbergh Blvd. St. Louis, MO 63166	Yield enhancement in soybeans via physiological modifications.

James E. Specht Dept. of Agronomy 347 Keim Hall University of Nebraska Lincoln, NE 68520	Soybean breeding and physiology.
Y. T. Kiang Dept. of Plant Science University of New Hampshire Durham, NH 03824	Genetics and breeding of soybeans for cool climate.
Baldev K. Vig Dept. of Biology University of Nevada Reno, NV 89507	Somatic crossing over and somatic mosaicism in Glycine max: Development of a test system for study of mutagens.
Sam C. Anand McNair Seed Company P.O. Box 706 Laurinburg, NC 28352	Breeding for nematodes and phytophthora root rot resistance in soybeans.
Judith F. Thomas Dept. of Soil Science 2006 Gardner Hall, Phytotron North Carolina State Univ. Raleigh, NC 27607	Growth of soybeans in controlled environments.
Joel Hudgins, Manager FFR Southeastern Research Sta. c/o FCX Service Box 3847, W. Florence Station 1600 W. Darlington Street Florence, SC 29501	Varietal development for member cooperatives. Breeding for yield, adaptation and disease resistance.
Larry Davis, Manager FFR Mid-South Research Station R.R.#3, Box 40 Covington, TN 38019	Varietal development for member cooperatives. Breeding for yield, adaptation and disease resistance.
D. E. Foard Biology Division Oak Ridge National Lab. P.O. Box Y Oak Ridge, TN 37830	Mutagenesis for storage proteins and methionine content.
Randolph R. Henke Comparative Animal Research Lab. 1299 Bethel Valley Road Oak Ridge, TN 37830	Mutagenesis-crop improvement, involving soybeans; selection of mutant lines of crop plants capable of producing large quantities of essential amino acids.

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Breeding and varietal development for dryland and irrigated production; genetics of disease resistance.

Robert A. Nilan
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Chemical mutagenesis.

Deane C. Arny
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Diseases of soybeans and disease resistance.

Earl T. Gritton
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Soybean breeding and genetics.